

Appendix B

.. '***** SEE ORCAD DRAWING PANEL.DSN *****

'GP0/ANO = POT
'GP1 =
'GP2 = PWM OUT
'GP3 = INPUT ONLY!!
'GP4 =
'GP5 =
,

'*****
'*
'* ENVIRONMENT *
'*
'*****

DEFINE I2C_INTERNAL 1

'*****
'*
'* VARIABLES *
'*
'*****

M VAR BYTE
N VAR BYTE
X VAR BYTE
Y VAR BYTE

X2 VAR WORD
Y2 VAR WORD

TEMP VAR WORD

OSCCOR VAR BYTE

RADDR VAR BYTE

HIVAL VAR WORD BANK0
LOVAL VAR WORD BANK0
TMRX VAR BYTE BANK0
MISCF VAR BYTE BANK0

ssave VAR BYTE BANK0 SYSTEM
wsave VAR BYTE \$20 SYSTEM
'wsavel VAR BYTE \$A0 SYSTEM

'*****
'*
'* START OF PROGRAM *
'*
'*****

' THIS GOTO GETS US PAST THE INTERRUPT HANDLER
GOTO START

DEFINE INTHAND ISERV

ASM

ISERV

;must start with a context save
movwf wsave ; Save the W register
swapf STATUS, w
clrf STATUS ; Point to bank 0